	Application No.	Applicant(s)
Notice of Allowability	09/830,290	PIRS ET AL.
	Examiner	Art Unit
	Jean E. Lesperance	2674
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to the amendment filef C	October 7, 2005.	
2. A The allowed claim(s) is/are 13-24, renumbered as 1-12.		
3. \square The drawings filed on <u>03 January 2005</u> are accepted by the	e Examiner.	
 4. Acknowledgment is made of a claim for foreign priority unapplement is made of a claim for foreign priority unapplement. a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply (ENT of this application.	complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or NOTICE OF tion is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.	
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT R		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	6. Interview Summary Paper No./Mail Date	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	√8. Examiner's Stateme 9. Other	nt of Reasons for Allowance XIAO WU ARY FYAMINFR

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DETAILED ACTION

1. The amendment filed October 7, 2005 is entered and claims 13-24 are pending.

Allowable Subject Matter

- 2. Claims 13-24 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: the claimed invention is directed to the driving method for the LCD electrooptic switching element or LC electrooptic switching element.

Independent claim 13 identifies a uniquely distinct feature "integrating a potential difference between the two electrodes of the electrooptic switching element via an integrator to obtain a time integral value Int of the electric driving voltage; and controlling the change of polarity of the electric driving voltage such that the time integral value Int of the electric driving voltage remains within a predetermined interval Vc1 < Int < Vc2 Where Vc1 and Vc2 are electric potentials input to a reference input of a respective comparator"

Independent claim 17 identifies a uniquely distinct feature "a voltage translator, wherein the control signals output by the control "flip/flop" circuit are input to the voltage translator, said voltage translator transforming said control signals into electric driving signals for the electrooptic switching element and outputting the transformed control signals to the electrodes of the electrooptic switching element, the amplitude of said

square-wave electric driving signals being determined by a voltage level Vlcd, which is input to a control input of the voltage translator".

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Independent claim 18 identifies a uniquely distinct feature "a second analog switch having a select input associated with the output of the comparator such that with every change of the polarity of electric driving signals for the electrooptic switching element, said second analog switch switches for a short time to output from an electrically floating first input to a constant electric potential Vp, at a second input, in order to reset the integrator to an initial state, said analog switching output being input to the integrator and wherein the outputs of the control "flip/flop" circuit are input to the voltage translator, which transforms said control signals into the electric driving signals for the electrooptic switching element and outputs the transformed control signals to the electrodes of the electrooptic switching element, the amplitude of said driving signals being determined by the electric voltage Vlcd, which is connected to a control input of the voltage translator".

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yatabe (Patent # 6,188,395).

The closest arts, Yatabe as discussed above, either singularly or in combination, fails to anticipate or render obvious the above limitations obvious.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jean Lesperance whose telephone number is (571)

272-7692. The examiner can normally be reached on from Monday to Friday between

10:OOAM and 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Patrick Edouard, can be reached on (571) 272-7603.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal

drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the Technology Center 2600 Customer Service Office

whose telephone number is (703) 306-0377.

Jean Lesperance

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Date 1/19/2006

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PRIMARY EXAMINER